



UNINTENTIONAL DROWNING DEATHS

Arizona, 1989-1999



Public Health Services

Bureau of Public Health Statistics
Office of Epidemiology and Statistics

~ Leadership for a Healthy Arizona ~



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UNINTENTIONAL DROWNING DEATHS, Arizona, 1989-1999

by

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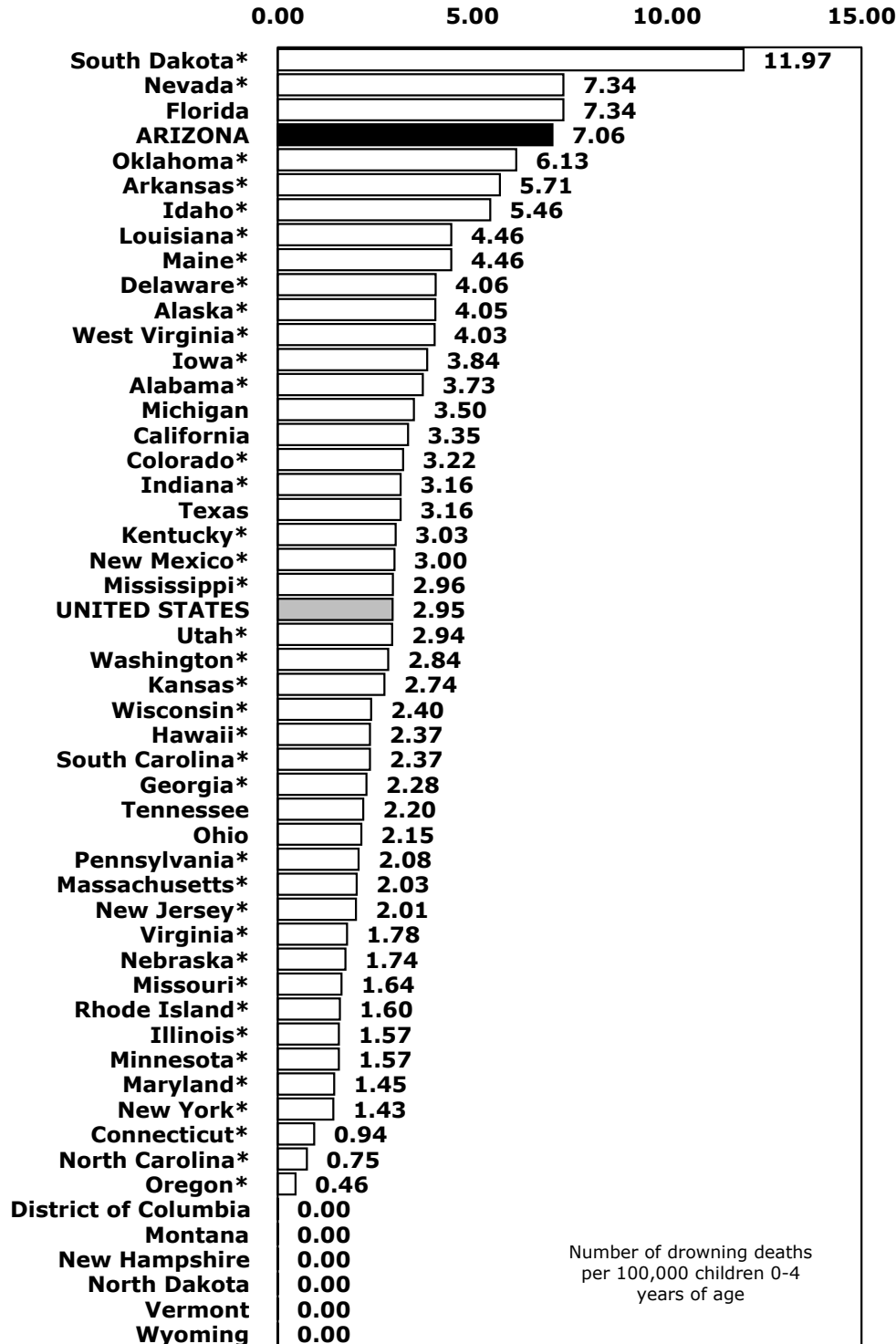
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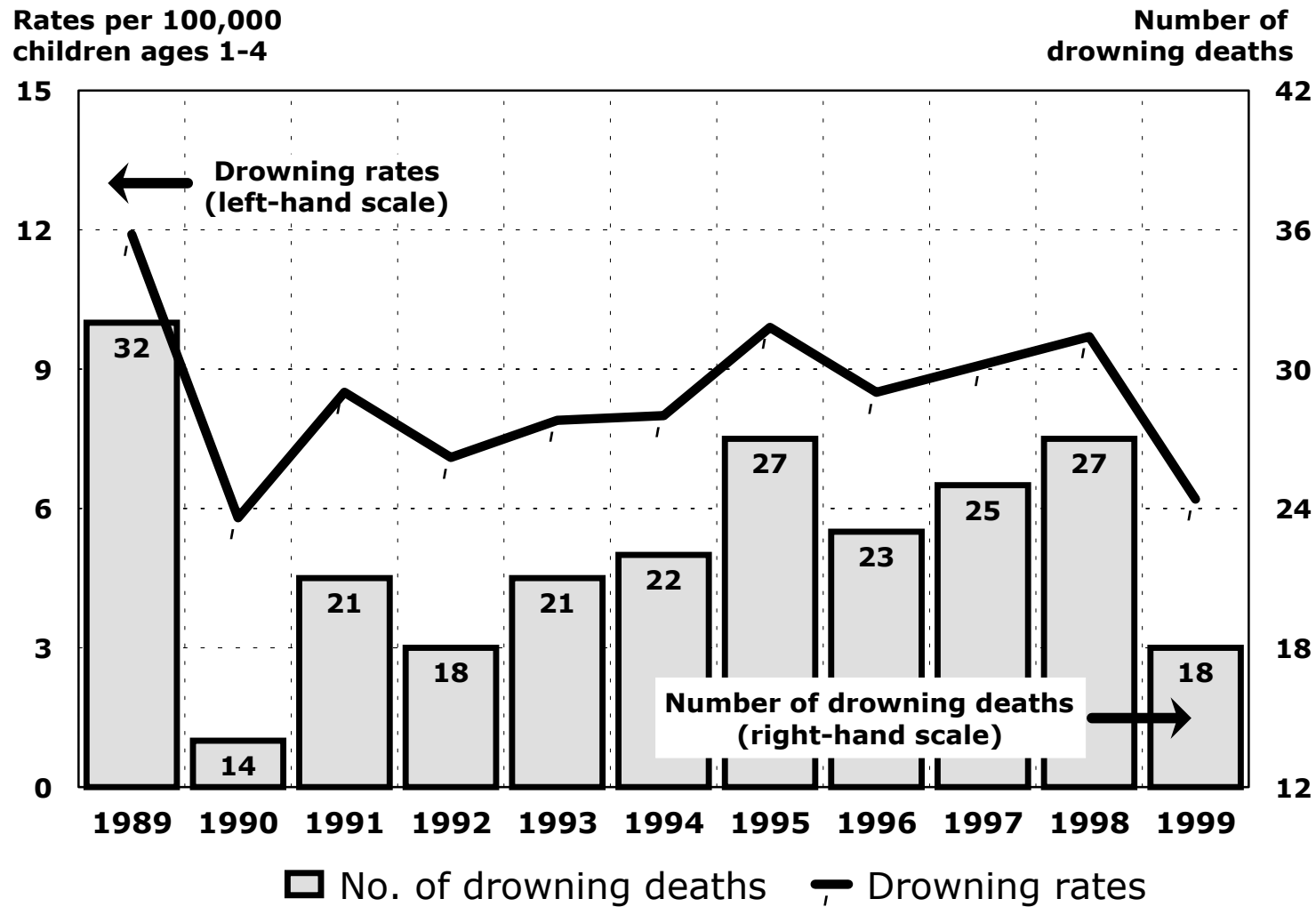
Drowning Mortality Rates for Children 0-4 Years Old by State in 1998¹



¹ This is the latest year for which the data are available by state, All rates except those for Arizona are from the Injury Mortality Dataset available at: <http://www.cdc.gov/ncipc/wisqars>

* Rates based on 20 or fewer deaths may be unstable.

Trends in the Number of Drownings and Drowning Rates* by Year Among Children 1-4 Years Old, Arizona, 1989-1999



*Number of drowning deaths per 100,000 children 1-4 years old.

DROWNING DEATHS BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1989-1999

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
TOTAL	97	85	79	87	101	79	107	97	98	99	88
Apache	3	5	2	0	4	2	0	1	0	1	0
Cochise	1	2	1	1	0	2	1	1	1	3	1
Coconino	1	3	2	3	4	3	5	1	6	0	5
Gila	1	4	1	1	1	0	0	0	2	1	1
Graham	0	1	1	0	1	0	1	1	0	1	2
Greenlee	1	0	0	0	0	0	0	0	0	1	1
Maricopa	62	46	38	48	55	39	56	63	53	51	54
Mohave	2	4	7	0	4	3	5	3	4	6	5
Navajo	2	3	3	4	5	1	4	4	5	1	1
Pima	15	8	14	10	10	11	15	10	7	14	9
Pinal	4	3	2	9	6	8	8	5	3	9	3
Santa Cruz	0	1	1	1	0	0	1	0	0	0	0
Yavapai	1	1	0	2	2	0	4	2	4	0	1
Yuma	4	4	6	6	1	5	4	4	5	6	4
La Paz	0	0	1	2	1	0	1	1	1	3	0
Unknown	0	0	0	0	7	5	2	1	7	2	1

DROWNING DEATHS BY RACE/ETHNICITY AND YEAR, ARIZONA RESIDENTS, 1989-1999

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
TOTAL	97	85	79	87	101	79	107	97	98	99	88
Non-Hispanic white	58	55	50	51	58	47	64	63	60	63	56
Hispanic	21	13	15	20	17	19	27	22	15	21	16
Black	7	2	5	3	4	5	3	4	6	2	3
American Indian	11	13	8	11	20	8	11	7	16	10	12
Asian	0	2	1	0	2	0	2	1	0	3	0
Other/Unknown	0	0	0	2	0	0	0	0	1	0	1

**DROWNING DEATHS BY PLACE AND/OR CIRCUMSTANCES OF IMMERSION (ALL AGES) BY YEAR,
ARIZONA RESIDENTS, 1989-1999**

	YEAR										
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
TOTAL	97	85	79	87	101	79	107	97	98	99	88
Home swimming pool	38	22	26	22	24	26	36	41	33	39	24
Not at home swimming pool	2	0	0	0	0	1	2	0	0	0	2
Bathtub	4	8	5	8	9	4	9	7	5	6	7
Accident to or on watercraft causing submersion	3	1	2	4	5	5	2	0	4	2	4
Submersion or drowning while engaged in sport	10	19	15	15	16	8	20	11	6	14	6
Other and/or no otherwise specified circumstances	40	32	30	35	45	33	36	36	47	35	44
Unclassifiable	0	3	1	3	2	2	2	2	3	3	1

UNINTENTIONAL DROWNING DEATHS, ARIZONA, 1989-1999

**DROWNINGS AND DROWNING RATES BY AGE AMONG CHILDREN 0-4 YEARS OLD,
ARIZONA, 1989-1999**

Age	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Under 1	2	3	5	5	1	4	3	4	2	1	1
1	12	6	11	10	12	8	14	6	15	16	9
2	13	2	5	4	5	6	6	11	5	5	5
3	1	4	4	2	4	4	2	3	4	4	2
4	6	2	1	2	0	4	5	3	1	2	2
Subtotal, 1-4	32	14	21	18	21	22	27	23	25	27	18
Total, 0-4	34	17	26	23	22	26	30	27	27	28	19
Under 1	3.0	4.4	9.5	9.2	1.4	5.7	4.4	5.6	2.8	1.3	1.3
1	18.0	9.7	17.8	15.2	17.4	11.5	20.5	10.3	21.0	22.1	12.0
2	19.3	3.2	8.1	6.1	7.2	8.6	8.8	15.7	10.9	6.9	6.7
3	1.5	6.8	6.5	3.2	6.1	5.7	2.9	4.3	6.5	2.8	2.7
4	8.9	3.4	1.6	3.3	-	5.6	7.3	4.3	1.7	1.7	3.1
Subtotal, 1-4	11.9	5.8	8.5	7.1	7.9	8.0	9.9	8.5	9.1	9.7	6.2
Total, 0-4	10.1	5.8	8.7	9.0	6.5	7.5	8.8	7.9	7.8	8.0	5.2

*Per 100,000 population in specified group.

Note: Many rates shown in this table are based on a small population, a small number of events or both. Rates based on small numbers (10 or less) are not statistically reliable.

**DROWNING DEATHS BY PLACE AND/OR CIRCUMSTANCES OF IMMERSION (CHILDREN 0-4 YEARS)
BY YEAR, ARIZONA, 1989-1999**

Place and/or circumstances	YEAR										
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Home swimming pool ¹	29	14	17	12	13	16	20	20	21	24	12
Not at home swimming pool ²	1	0	0	0	0	0	0	0	0	0	0
Bathtub ³	0	2	2	5	5	4	3	1	2	2	2
Accident to or on watercraft causing submersion ⁴	0	0	0	0	0	0	0	0	1	0	0
Submersion or drowning while engaged in sport ⁵	1	1	2	0	1	1	1	0	0	1	0
Other and/or no otherwise specified circumstances ⁶	3	0	5	6	3	5	6	5	2	1	5
Unclassifiable⁷	0	0	0	0	0	0	0	1	1	0	0
TOTAL	34	17	26	23	22	26	30	27	27	28	19

¹ E910.8-E910.9 and supplementary code associated with the place of accident equals 0 (at home).

² E910.8-E910.9 supplementary code associated with the place of accident equals 6 (public place).

³ E910.4 (drowning in a bathtub).

⁴ E830 (accident to watercraft causing submersion); E832 (other accidental submersion or drowning in water transport accident, i.e., fall, thrown, washed overboard).

⁵ E910.0 (while water skiing), E910.1 (diving), E910.2 (swimming, wading, surfboarding).

⁶ E910.3 (while swimming or diving for purpose other than recreation or sport, E910.0 (accidental fall into water) when supplementary code for place of accident does not equal 0 or 9; E910.9 when supplementary code for place of accident equals 9.

⁷ E984 (drowning and submersion undetermined whether accidentally or purposely inflicted).

**NUMBER OF DROWNINGS AMONG CHILDREN 0-4 YEARS OLD BY COUNTY OF RESIDENCE,
ARIZONA, 1989-1999**

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Cochise	0	1	0	0	0	0	0	0	0	1	0
Coconino	0	0	1	0	0	1	1	0	0	0	1
Gila	0	0	0	0	0	0	0	0	0	1	0
Graham	0	0	1	0	0	0	1	0	0	0	0
Maricopa	27	14	18	14	17	17	16	18	23	19	13
Mohave	0	0	0	0	0	1	0	0	0	1	1
Navajo	0	0	0	2	0	0	1	3	0	1	0
Pima	4	1	5	3	4	6	4	2	2	4	2
Pinal	1	0	0	3	1	1	5	3	0	0	1
Yavapai	1	1	0	0	0	0	2	1	0	0	0
Yuma	1	0	1	1	0	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0	0	2	1	0
TOTAL	34	17	26	23	22	26	30	27	27	28	19

**NUMBER OF DROWNINGS BY MONTH AND YEAR AMONG CHILDREN 0-4 YEARS OLD,
ARIZONA, 1989-1999**

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Month of death	JAN	0	2	0	2	0	1	0	0	0	1	0
	FEB	3	1	2	2	0	2	0	1	0	0	2
	MARCH	6	1	1	0	0	0	4	0	3	1	2
	APRIL	5	1	3	2	0	1	2	3	0	2	0
	MAY	3	3	1	1	0	2	4	6	6	3	1
	JUNE	6	1	6	1	6	2	5	6	4	4	7
	JULY	4	2	2	3	7	3	5	3	3	6	3
	AUG	2	0	3	2	4	3	4	3	4	5	3
	SEPT	2	4	3	3	1	5	2	0	2	3	0
	OCT	2	1	2	3	1	5	1	2	3	1	1
	NOV	0	0	2	3	1	0	1	2	0	0	0
	DEC	1	1	1	1	2	2	2	1	2	2	0
TOTAL		34	17	26	23	22	26	30	27	27	28	19

**RESIDENT DROWNING AND NON-RESIDENT DROWNING OCCURRING
IN ARIZONA BY AGE GROUP, 1999**

		Arizona resident, died in AZ	Arizona resident, died elsewhere	Non-resident, died in Arizona
TOTAL		83	5	21
Age group	<1	1	0	0
	1-4	18	0	0
	5-14	4	0	0
	15-24	6	1	6
	25-34	10	0	5
	35-44	10	2	4
	45-54	17	2	5
	55-64	5	0	0
	65+	11	0	0
	Unknown	1	0	1

DROWNING DEATHS BY COUNTY OF OCCURRENCE AND AGE GROUP, ARIZONA, 1999

		TOTAL	Age group									
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65+	Unknown
TOTAL		104	1	18	4	12	15	14	22	5	11	2
County of Occurrence	Coconino	5	0	1	0	0	0	1	2	0	1	0
	Gila	5	0	0	0	1	2	1	1	0	0	0
	Graham	2	0	0	0	1	0	0	1	0	0	0
	Greenlee	1	0	0	1	0	0	0	0	0	0	0
	Maricopa	56	1	12	3	4	7	8	12	2	7	0
	Mohave	8	0	1	0	1	2	1	1	1	0	1
	Navajo	1	0	0	0	0	0	0	0	1	0	0
	Pima	10	0	2	0	1	0	2	2	1	2	0
	Pinal	3	0	1	0	1	1	0	0	0	0	0
	Santa Cruz	2	0	0	0	1	1	0	0	0	0	0
	Yuma	8	0	1	0	2	1	0	2	0	1	1
	La Paz	3	0	0	0	0	1	1	1	0	0	0

Note: Arizona residents and non-residents who drowned in Arizona. Excluded are Arizona residents who drowned outside the State.